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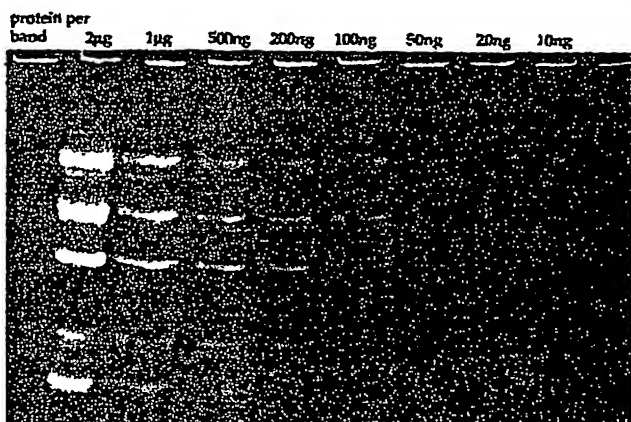
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(54) Title: IN-GEL FLUORESCENT PROTEIN STAINING TECHNIQUE



(57) Abstract: An "in-gel" staining technique for detecting and/or separating proteins during electrophoresis, illustratively as a modification of the standard Laemmli procedure. A fluorescent dye, such as Nile red or Phosphine, is included in the running buffer (mobile phase) which may be a standard Laemmli Tris-Glycine SDS buffer that has been modified to reduce the concentration of detergent (SDS) to less than the typical concentration (0.10%v/v). The fluorescent dye stains proteins during electrophoretic separation. The post-electrophoretic operations are, therefore, reduced and the separated, stained fractions are recoverable for further processing, purifying or analysis.

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